

MOBILETT XP (Hybrid / Eco)

SP

Installation and Startup System

Installation of Remote Exposure Switch

© Siemens AG 2004

The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved.

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

Disclaimer

The installation and service of equipment described herein is to be performed by qualified personnel who are employed by Siemens or one of its affiliates or who are otherwise authorized by Siemens or one of its affiliates to provide such services.

Assemblers and other persons who are not employed by or otherwise directly affiliated with or authorized by Siemens or one of its affiliates are directed to contact one of the local offices of Siemens or one of its affiliates before attempting installation or service procedures.

Table of Contents

3

1

Prerequisites

4

Purpose

4

Parts required

4

Documents required

4

Tools required

4

Time required

4

Objective

6

2

Installation

7

Preparation

7

Installation of internal parts

7

Functional check

11

Installation of external parts

12

3

Changes to previous version

13

Purpose

This document describes the installation of the remote exposure switch system on a Mobilett XP, XP Eco or XP Hybrid.

Parts required

Remote exposure switch system kit, including:

- Main remote switch (1/Fig. Remote Switch Upgrade Materials) with acoustic signal for “park in holder” and “battery low” indicator (1a/Fig. Remote Switch Upgrade Materials)
- Spare remote switch (2/Fig. Remote Switch Upgrade Materials)
- Infrared sensor with cable (3/Fig. Remote Switch Upgrade Materials)
- Remote control board with flat cable (4/Fig. Remote Switch Upgrade Materials)
- Cable ties and tie mounts (5/Fig. Remote Switch Upgrade Materials)

Documents required

- | | |
|---------------------------------------------|------------------|
| • General safety information | TD00-000.860.01. |
| • Replacement of parts | SPR8-230.841.01. |
| • Instructions for use | SPR8-230.621.01. |
| • Installation instructions (this document) | SPR8-230.814.02. |

Tools required

Standard service tools

Time required

Approximately 1.5 hours for one person



Life-threatening electric shock hazard during service activities with open covers!

Dangerous voltage exists in several places.

- ⇒ **Observe the general and product-specific safety information in the document "Replacement of parts" at all times when working on the unit while covers are removed.**
-



Fig. 1: Remote Switch Upgrade Materials

Objective

Installation of the receiver sensor (1/Fig. 2 / p. 6), the remote switch holder (4/Fig. 2 / p. 6), and the internal cabling with the remote control board.

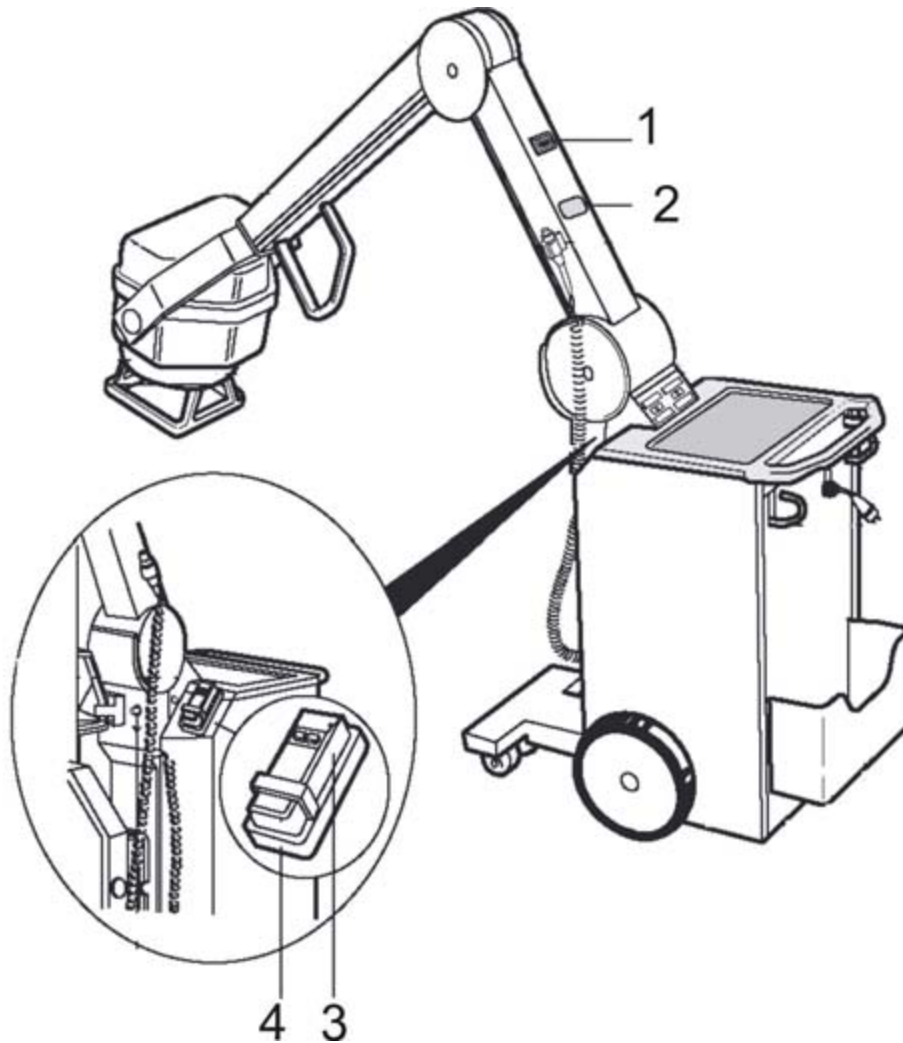


Fig. 2: View of the unit

1 - Remote sensor (receiver)

2 - DAP Display (option)

3 - Remote switch

4 - Remote switch holder

Preparation

Please observe the product-specific safety information (replacement of parts SPR8-230.841.01...).

- Switch the unit OFF (Hybrid: mode selection switch OFF).
- Disconnect the main power cable.
- Wait approx. 20 minutes until the capacitor bank is discharged.
- Unpack the upgrade materials and check for completeness (Fig. 1 / p. 5).
- Remove the exposure switch first (A/ Fig. 3 / p. 7).
- Then remove the covers in the following order (1-9/ Fig. 3 / p. 7).
- If a DAP control is installed, unplug the connector at the display to prevent damage (2/ Fig. 2 / p. 6).

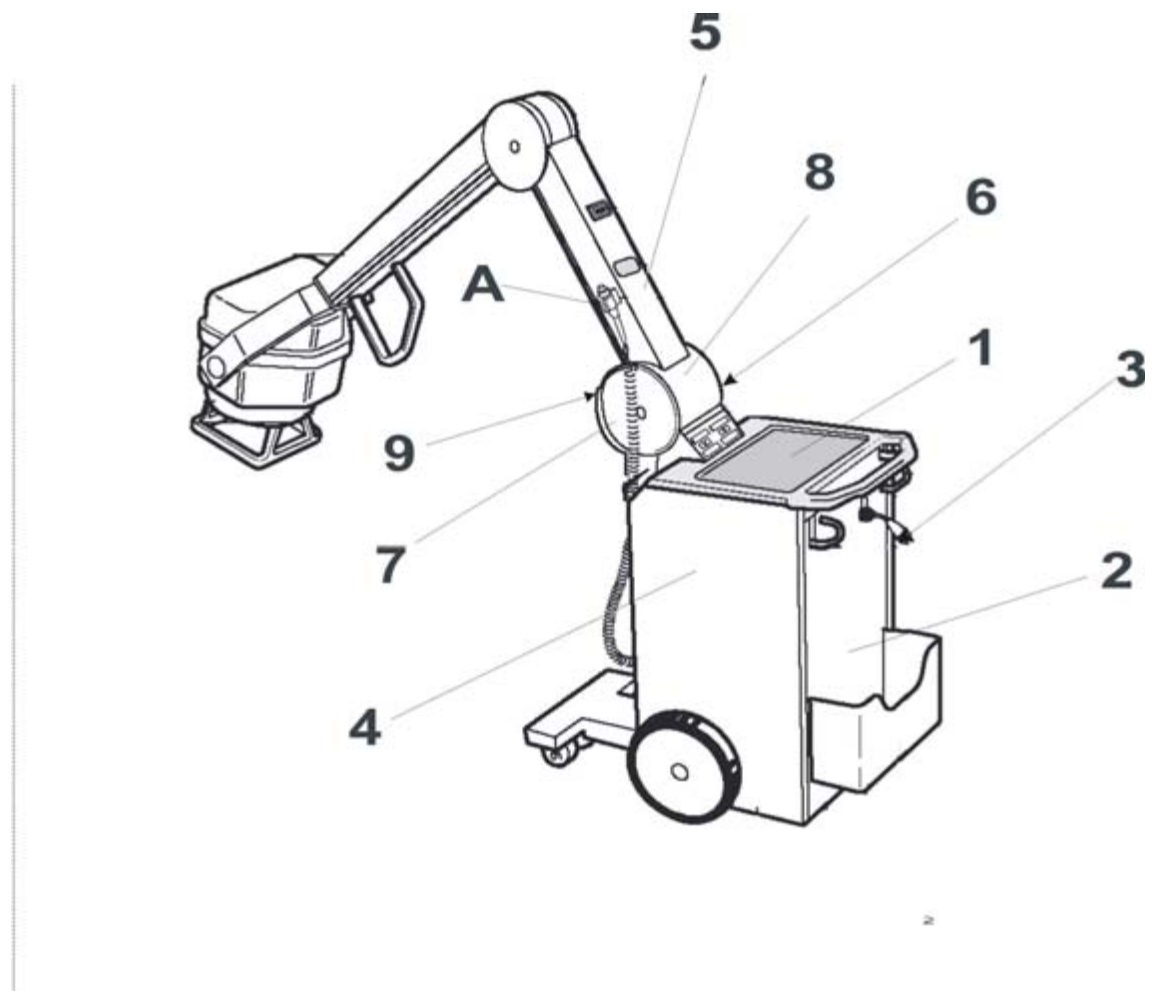


Fig. 3: Remove covers

Installation of internal parts

- Remove the aperture plate of the arm cover and install the remote sensor (Fig. 4 / p. 8).

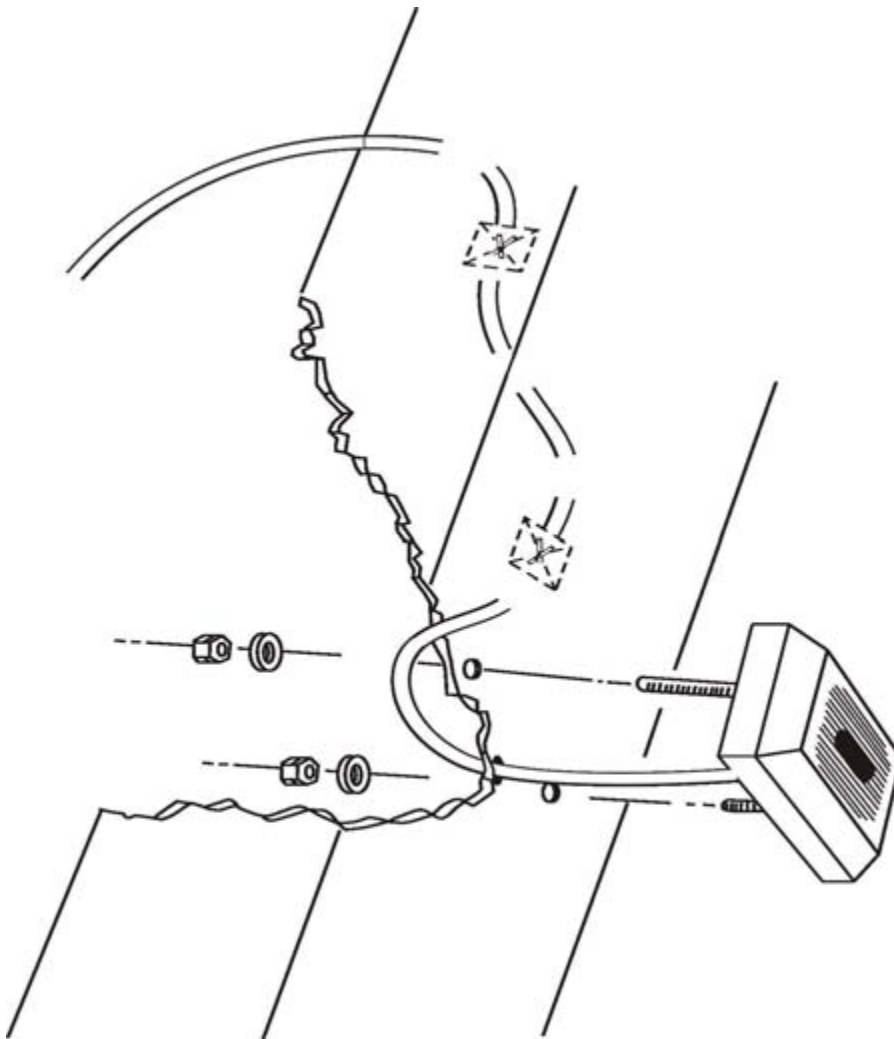


Fig. 4: Install sensor

- Route the sensor cable to the remote control board. Refer to [\(1-3/Fig. 5 / p. 9\)](#).

NOTE

Do not tie the sensor cable directly to the cables of the single tank to avoid possible interference.

- Ensure that there is no cable strain [\(2/Fig. 5 / p. 9\)](#) during movements of the arm.

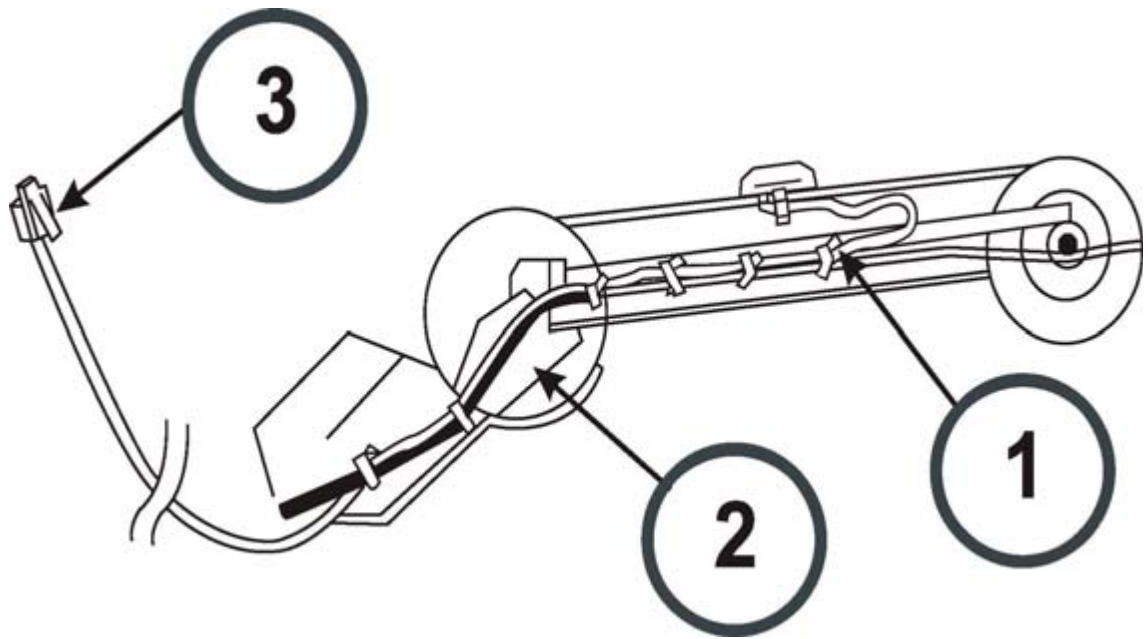


Fig. 5: Cabling

- Attach the sensor cable at the top right next to the arm (2/Fig. 6 / p. 10).
- Attach the sensor remote board at the top right using adhesive film and connect the sensor cable (2/Fig. 6 / p. 10).
- Unplug the cable between D916 and D917 (1/Fig. 6 / p. 10) from D917.
- Connect the data cable of the remote control board to board D917.
- Connect the cable from D916 to the adapter (1/Fig. 6 / p. 10).
- Route the ground cable through the hole in the chassis (3/Fig. 6 / p. 10).
- Attach the ground cable to the existing connection at the chassis (Fig. 7 / p. 11).

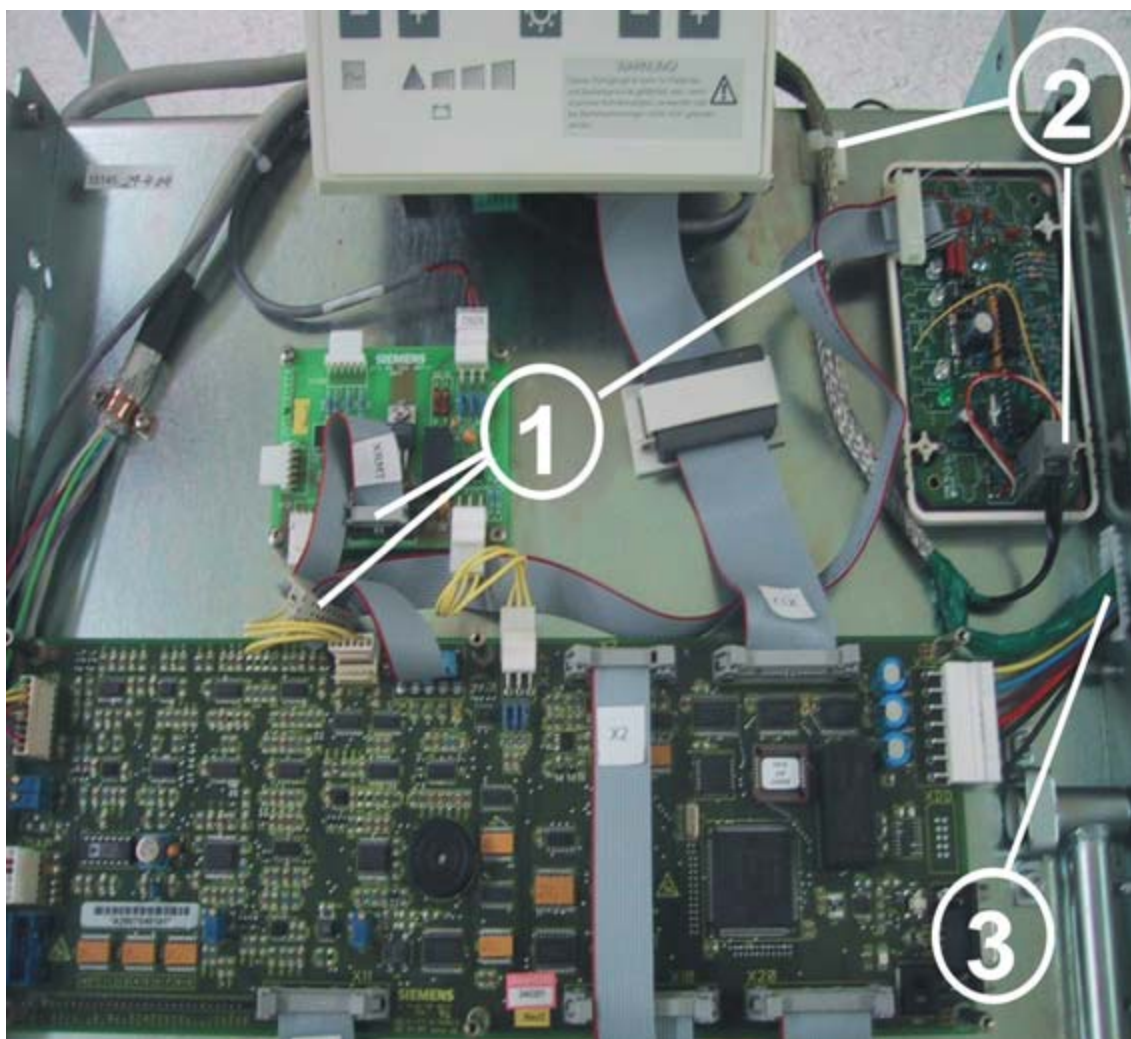


Fig. 6: Remote board

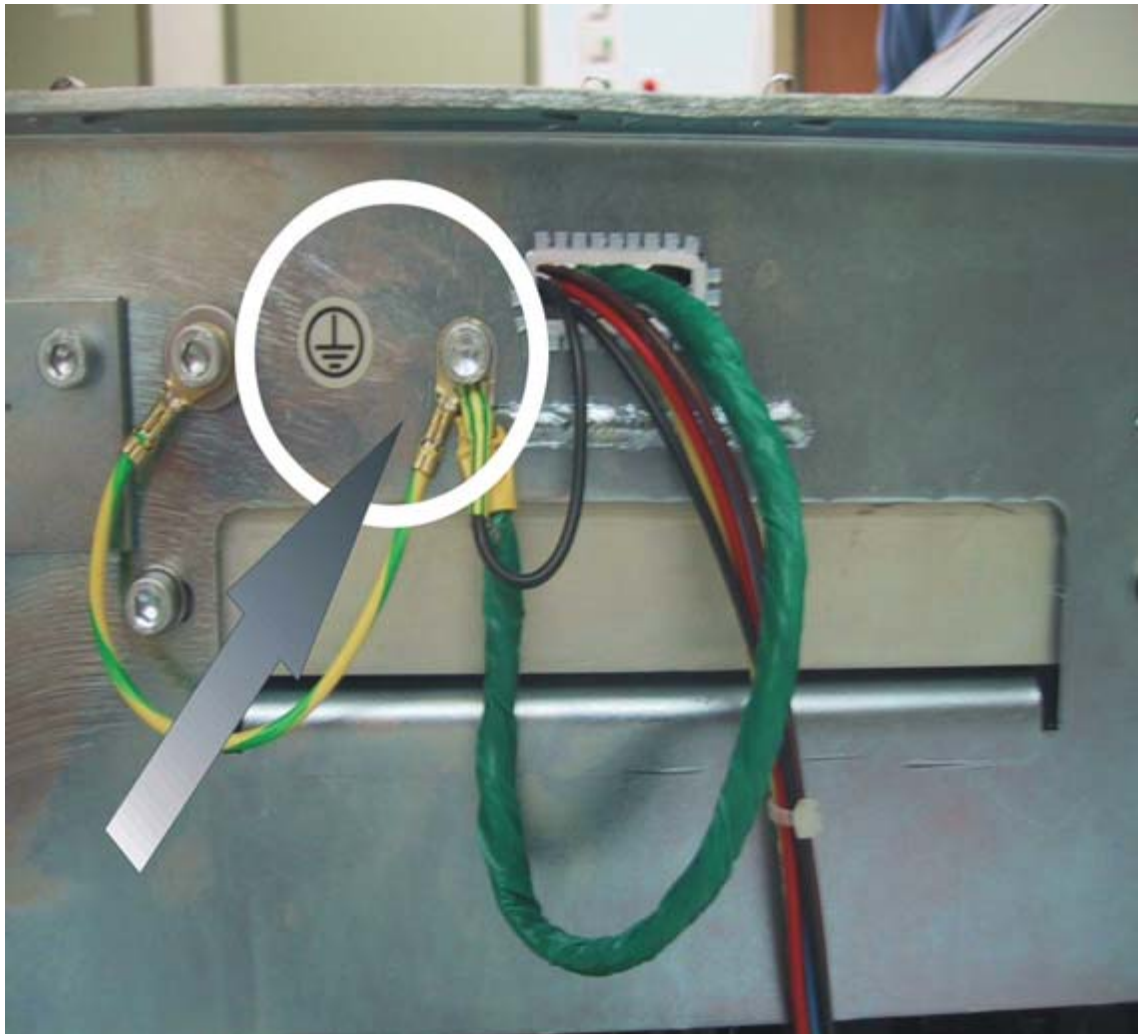


Fig. 7: Remote ground

Functional check

⚠ DANGER

Life-threatening electric shock hazard during service activities with open covers!

Dangerous voltage exists in several places.

⇒ **Observe the general and product-specific safety information in the document "Replacement of parts" at all times when working on the unit while covers are removed.**

- Connect the mains cable and check the remote functions (refer to the "Instructions for use").
- Switch on the collimator light using the remote button.
- Select one of the shortest exposures via kV/mAs. Press and hold the remote exposure switch while the signal for preparation sounds.



- Release the button. Press it again to release an exposure.
The radiation indicator lights up during the exposure; at the same time, an acoustic signal sounds and the "exposure circuit ready" light goes out.
- Select one of the longest exposures via kV/mAs and release an exposure.
- Switch the unit OFF and unplug the main power cable.
- Replace all covers in reverse order (1-9/Fig. 3 / p. 7).

Installation of external parts

- Tape the remote switch holder to the front left side (4/Fig. 2 / p. 6).
- Place the remote switch with battery indicator (1a/Fig. 1 / p. 5) into the holder (3/Fig. 2 / p. 6).
- Repeat the functional check with all covers installed.

This is a new document

